## EAST Search History

| Ref#                                    | Hits | Search Query   | DBs                              | Default<br>Operator | Plurals | Time Stamp          |
|---|------|--|----------------------------------|---------------------|---------|---------------------|
| *************************************** |      | "401".das. and ((inject\$ or filled<br>near5 through) near S63 nozzle)   | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ                 | ON      | 2009/02/05<br>14:59 |
|   |      | "401".clas. and ((inject\$ or (filled<br>near5 through)) near S63 nozzle)  | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ                 | ON      | 2009/02/05<br>14:58 |
|   |      | S43 and (poly\$9 or pvc or vent\$)   | US-<br>PGPUB;<br>USPAT           | ADJ                 | ON      | 2009/02/04<br>16:00 |
|   |      | S43 and (poly\$ or pvc or vent\$)  | US-<br>PGPUB;<br>USPAT           | ADJ                 | ON      | 2009/02/04<br>15:59 |
| S1                                      | 46   | (*1122006" "1427411" "1882770" "20197579" "2624901" 2772432" "2804767" "2864106" "772432" "2804767" "2864106" "772432" "28030681" "28930068" "2943338" "2943338" "3982600" "3986666" "4127339" "4218155" "4225055" "4326475" "4254765" "4254 | US-<br>PGPUB;<br>USPAT           | ADJ                 | ON      | 2009/01/21<br>09:55 |
| S2                                      | 0    | 10/421453.ap.  | US-<br>PGPUB;<br>USPAT           | ADJ                 | ON      | 2009/01/21<br>10:13 |
| S3                                      | 0    | "10421453".ap.   | US-<br>PGPUB;<br>USPAT           | ADJ                 | ON      | 2009/01/21<br>10:13 |
| S4                                      | 6    | "421453".ap.   | US-<br>PGPUB;<br>USPAT           | ADJ                 | ON      | 2009/01/21<br>10:13 |
| S5                                      | 1    | "20060245819" .pn.   | US-<br>PGPUB;<br>USPAT           | ADJ                 | ON      | 2009/01/21<br>10:15 |

| S6  | 65   | ("0708709"   "0817890"   "1122006"   "1427411"   "182770"   "2197579"   "2624901"   "2772432"   "2804767"   "28046108"   "2876782"   "2930061"   "2930083"   "2943398"   "2982987"   "3090071"   "3192555"   "3388234"   "3482920"   "3496897"   "3468900"   "44127339"   "4418155"   "4225058"   "4223175"   "4470521"   "4445506"   "4854634"   "4854760"   "4921137"   "4983045"   "5046877"   "5111932"   "51180244"   "5198048"   "51578612"   "6007264"   "6415939"   "0365258"   "5449987"   "0363377"   "0387563"   "0449987"   "0462614").FN. OR ("6767151"). | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ         | <b>δ</b> | 2009/02/04          |
|-----|------|--|----------------------------------|-------------|----------|---------------------|
| S7  | 20   | spackI\$ and "401".clas.   | US-<br>PGPUB;<br>USPAT           | ADJ         | ON       | 2009/02/04<br>09:41 |
| S8  | 777  | 401/262,266.cds.   | US-<br>PGPUB;<br>USPAT           | ADJ         | ON       | 2009/02/04<br>09:52 |
| S9  | 211  | S8 and (blade\$ or spread\$)   | US-<br>PGPUB;<br>USPAT           | ADJ         | ON       | 2009/02/04<br>09:53 |
| S10 | 3856 | 401/145,152,154,156,183-185,261-<br>267,195,292.cds.   | US-<br>PGPUB;<br>USPAT           | ADJ         | ON       | 2009/02/04<br>10:26 |
| S11 | 3645 | S10 not S9   | US-<br>PGPUB;<br>USPAT           | ADJ         | ON       | 2009/02/04<br>10:26 |
| S12 | 302  | S11 and (blade\$ or spread\$)  | US-<br>PGPUB;<br>USPAT           | ADJ         | ON       | 2009/02/04<br>10:26 |
| S13 | 126  | S11 and blade\$  | US-<br>PGPUB;<br>USPAT           | ADJ         | ON       | 2009/02/04<br>10:32 |
| S14 | 0    | S13 not S12  | US-<br>PGPUB;<br>USPAT           | ADJ         | ON       | 2009/02/04<br>10:33 |
| S15 | 391  | S10 and plug\$   | US-<br>PGPUB;<br>USPAT           | ADJ         | ON       | 2009/02/04<br>10:42 |
| S16 | 198  | S15 and retain\$   | US-<br>PGPUB;<br>USPAT           | ADJ         | ON       | 2009/02/04<br>10:43 |
| S17 | 1323 | 206/277,1.7-1.9,349.cds.   | US-<br>PGPUB;<br>USPAT           | ADJ         | ON       | 2009/02/04<br>11:00 |
| S18 | 414  | 206/1.7-1.9.cds.   | US-<br>PGPUB;<br>USPAT           | <b>A</b> DJ | ON       | 2009/02/04<br>11:00 |

| S19         | 233  | S17 and (blade\$ or spread\$)   | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>11:12 |
|-------------|------|---|----------------------------------|-----|----|---------------------|
| S20         | 75   | trowel\$ and "401".clas.  | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>11:23 |
| S21         | 406  | 206/524.1.cds.  | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>13:12 |
| S22         | 2    | S21 and (mastic\$ or spack\$)   | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>13:13 |
| <b>S2</b> 3 | 1453 | 222/107,216,229,461,469.cds.  | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>13:14 |
| S24         | 2    | S23 and trowel\$  | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>13:14 |
| S25         | 414  | 206/1.7-1.9.cds.  | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>13:15 |
| S26         | 7    | S25 and (reseal\$)  | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>13:15 |
| S27         | 157  | "401".das. and reseal\$   | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>13:16 |
| \$28        | 47   | ['0708709'   "2197579"   "2624901"   "2772432"   "2804767"   "2864018"   "2893061"   "2943338"   "2982987"   "3990071"   "3482920"   "3782600"   "4225058"   "4273459"   "4854760"   "5046877"   "5415486"   "5789104"   "5789104"   "578920"   "583666"   "6120203"   "6223380"   "01293034"   "0137987"   D288780"   "D293034"   "0137987"   D288780"   "01498977) UFFN. OR | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2009/02/04<br>13:39 |
| \$29        | 50   | ["1438487"   "2248266"   "2705579"   "2864108"   "2908267"   "3053385"   "3068273"   "301870"   "311870"   "311870"   "314865"   "3453661"   "33515801"   "3453661"   "3635376"   "360960"   "3917116"   "4196030"   "4369885"   "4384649"   "437305"   "4797309"), PN. OR ("5111932"), URPN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2009/02/04<br>13:46 |
| S30         | 11   | ("708709").URPN.  | USPAT                            | ADJ | ON | 2009/02/04<br>13:54 |
| S31         | 1    | "4470521".pn.   | USPAT                            | ADJ | ON | 2009/02/04<br>14:00 |

| S32         | 47   | ['0708709"   "2197579"   "2624901"   "2772432"   "2804767"   "2864108"   "2930061"   "2943381"   "2943381"   "2943381"   "2982987"   "3782600"   "4225058"   "4273459"   "4584760"   "5046877"   "5415488"   "5749498"   "5784908"   "5789104"   "5794998"   "5788104"   "5797692"   "5873666"   "6120203"   "6223380"   "D183172"   "0195539"   "D288780"   "D293034"   "0317987"   "D328708"   "0356259").PN. CR  | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ | ON . | 2009/02/04<br>14:07 |
|-------------|------|---|----------------------------------|-----|------|---------------------|
| S33         | 1764 | *401".clas. and squeez\$  | US-<br>PGPUB;<br>USPAT           | ADJ | ON   | 2009/02/04<br>14:25 |
| S34         | 1    | "2705579".pn.   | US-<br>PGPUB;<br>USPAT           | ADJ | ON   | 2009/02/04<br>14:37 |
| <b>S3</b> 5 | 200  | ((RICHARD) near2 (OWENS)).INV.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ | ON   | 2009/02/04<br>14:46 |
| S36         | 48   | ['0708709'   "2197579"   "2824901"   "2772432"   "2804767"   "2864108"   "2930061"   "2943338"   "2882987"   "3090071"   "3482920"   "3782600"   "4225058"   "4273459"   "4854760"   "5046877"   "5415488"   "5749498"   "5788104"   "5797692"   "5873666"   "6120203"   "6223380"   "D183172"   "D195539"   "D288760"   "D293074"   "D313788"   "D356259"   "D369497"   "D356259"   "D369497"   "D49870"   "D49870" | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ | ON . | 2009/02/04<br>14:47 |
| S37         | 2    | S35 and "401".clas.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ | ON   | 2009/02/04<br>14:49 |
| S38         | 1    | (alpha and concept\$).as.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ | ON   | 2009/02/04<br>14:51 |
| S39         | 2    | ((Rolf) near2 (campbell)).INV.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ | ON   | 2009/02/04<br>15:31 |
| S40         | 19   | (((campbell)).INV. and "401".clas.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ | ON   | 2009/02/04<br>15:32 |
| S41         | 4    | ("4963045" or "4921137" or<br>"386666" or "6007264" or<br>"5111932").pn.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ | ON   | 2009/02/04<br>15:53 |

| S42         | 13    | (US-20060245819-\$ or US-20080112750-\$).did. or (US-6767151-\$).did. or (US-6415939-\$ or US-5415939-\$ or US-5111932-\$ or US-4648506-\$ or US-679918-\$ or US-644418-\$ or US-64470521-\$ or US-4921137-\$ or US-6007264-\$).did. or (US-0708709-\$).did.                  | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ | 05 | 2009/02/04<br>15:59 |
|-------------|-------|---|----------------------------------|-----|----|---------------------|
| S43         | 13    | [US-20060245819-\$ or US-<br>20080112750-\$).did. or (US-6767151-<br>\$ or US-D449987-\$ or US-6415939-\$<br>or US-5111932-\$ or US-4648506-\$ or<br>US-6799918-\$ or US-4648506-\$ or<br>US-470521-\$ or US-4921137-\$ or<br>US-6007264-\$).did. or (US-0708709-<br>\$).did. | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2009/02/04<br>15:59 |
| S44         | 6     | \$43 and (polyvinyl or polyethylene or polypropylene or pvc or vent\$ or poly-\$)   | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>16:01 |
| <b>S</b> 45 | 60997 | spread\$ and (polyvinyl or pvc)   | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>16:12 |
| S46         | 205   | S45 and "401".clas.   | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>16:12 |
| S47         | 136   | S46 and (blister or cavity or reservoir)  | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>16:13 |
| S48         | 103   | S47 and (thick\$)   | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>16:13 |
| S49         | 3830  | 401/132,139.cds. or<br>206/216,229,461,469.cds.   | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>17:19 |
| S50         | 872   | \$49 and (polyvinyl or polyethylene or polypropylene or pvc or vent\$ or poly-\$)   | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>17:19 |
| S51         | 840   | S50 not S48   | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>17:21 |
| S52         | 827   | S51 not S27   | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>17:22 |
| S53         | 1323  | 206/277,1.7-1.9,349.cds.  | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>17:22 |
| S54         | 233   | S53 and (blade\$ or spread\$)   | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>17:22 |
| S55         | 821   | S52 not S54   | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>17:22 |

| S56         | 44    | ["344302"   "346824"   "3716511"   "378404"   "3850726"   "387270"   "3946139"   "4125190"   "4266666"   4270659"   "4359158"   "4574951"   "4702368"   "491858"   "4925684"   "5150793"   "5172812"   "5244087"   "5244966"   "5359395"   "53590116"   "5359015"   "5580116"   "5377336"   "514008"   "5775516"   "5819939"   "5785615"   "5819939"   "5885655"   5935664"   "6010784"   "6015914"   "605320"   "6092664"   "6155423"   "6166929"   "627260"   "6826680"   "6401920"   "652369"   "6826690"   "682669"   "689266"). FN. OR ("7165676").   | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2009/02/04          |
|-------------|-------|--|----------------------------------|-----|----|---------------------|
| S57         | 627   | blister\$ and pvc and (spread\$ or blade)  | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2009/02/04<br>18:58 |
| S58         | 60    | S57 and ("401.clas" or "206".clas.)  | US-<br>PGPUB;<br>USPAT;<br>USOOR | ADJ | ON | 2009/02/04<br>18:58 |
| <b>S</b> 59 | 31189 | scraper  | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>19:05 |
| S60         | 188   | S59 and "401".clas.  | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/04<br>19:05 |
| S61         | 20    | [US-20060245819-\$ or US-20040253039-\$ or US-2004012750-\$ or US-20040253039-\$ or US-20040154948-\$ or US-20040154948-\$ or US-20040154938-\$ or US-647593-\$ or US-5111932-\$ or US-4648506-\$ or US-4470521-\$ or US-4470521-\$ or US-4470521-\$ or US-4921137-\$ or US-607298-\$ or US-5996845-\$ or US-5826737-\$ or US-5 | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2009/02/05<br>14:34 |
| S62         | 15    | S61 and (fill\$ or insert\$ or inject\$)   | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/05<br>14:35 |
| S63         | 14    | S61 and (filling or insert\$ or inject\$)  | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/05<br>14:36 |

| S64         | 55   | ["1268271"   "1598811"   "1738471"   "1738471"   "1789959"   "1861790"   "1982833"   "2014149"   "2014149"   "2014149"   "2014149"   "2014149"   "2014149"   "2014149"   "2014039"   "3198313"   "3351969"   "3534428"   "3198313"   "3351969"   "3598654"   "4662768"   "4750883"   "4812070"   "4867961"   "5707753"   "5106221"   "5189756"   "5312479"   "5316403"   "5415488"   "5433782"   "D336298"). PN. CR ("5803639"). | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ         | O. | 2009/02/05<br>14:45 |
|-------------|------|--|----------------------------------|-------------|----|---------------------|
| S65         | 78   | "401".clas. and ((inject\$ or (filled<br>near5 through)) near5 nozzle)   | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ         | ON | 2009/02/05<br>14:59 |
| S66         | 0    | "401".clas. and (material with inject\$<br>with into container with through)   | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ         | ON | 2009/02/05<br>15:21 |
| S67         | 0    | "401".clas. and (inject\$ with into container with through)  | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ         | ON | 2009/02/05<br>15:21 |
| S68         | 0    | "401" das. and (material with filled with into container with through)   | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ         | ON | 2009/02/05<br>15:21 |
| S69         | 0    | "401".clas. and ((injected into) with container with through)  | US-<br>PGPUB;<br>USPAT;<br>USOCR | ADJ         | ON | 2009/02/05<br>15:22 |
| S70         | 13   | S61 and thick\$  | US-<br>PGPUB;<br>USPAT           | ADJ         | ON | 2009/02/05<br>15:28 |
| S71         | 0    | "401".clas. blister and thick\$  | US-<br>PGPUB;<br>USPAT           | ADJ         | ON | 2009/02/05<br>15:33 |
| S72         | 0    | "206".clas. blister and thick\$  | US-<br>PGPUB;<br>USPAT           | ADJ         | ON | 2009/02/05<br>15:33 |
| S73         | 56   | "401".clas. and blister and thick\$  | US-<br>PGPUB;<br>USPAT           | <b>A</b> DJ | ON | 2009/02/05<br>15:33 |
| S74         | 1025 | "206".clas. and blister and thick\$  | US-<br>PGPUB;<br>USPAT           | ADJ         | ON | 2009/02/05<br>15:47 |
| <b>S7</b> 5 | 910  | S74 and (thermo\$ or plastic\$)  | US-<br>PGPUB;<br>USPAT           | ADJ         | ON | 2009/02/05<br>15:48 |
| S76         | 48   | S75 and applicator   | US-<br>PGPUB;<br>USPAT           | ADJ         | ON | 2009/02/05<br>15:49 |

| S77  | 0     | thick\$ with (".030" or ".7" or ".07")<br>near S61 (inches or mm or cm) | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2009/02/05<br>15:55 |
|------|-------|---|------------------------|-----|----|---------------------|
| S78  | 16497 | thick\$ with (".030" or ".7" or ".07")<br>near3 (inches or mm or cm)    | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2009/02/05<br>15:55 |
| S79  | 17    | S78 and "401".clas.   | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2009/02/05<br>15:55 |
| \$80 | 1505  | rf welding  | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2009/02/13<br>15:53 |
| S81  | 3     | S80 and "401".das.  | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2009/02/13<br>15:53 |

## 2/13/2009 6:48:36 PM

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